

CSE 4251: Lab 5

Due Date: Nov 29

Objectives

These exercises will allow you to have some practice with the Unix/Linux environment, Shell programming and basic *sed* scripting.

Exercise 1 Description

Start by importing the file **datebook.txt** available with Lab 5 that you will use according to the instructions. Review the structure and different fields in datebook.txt file.

As a warm up, try the following actions with the *sed* command. Test each case at the command line and then add each case to a *shell* script file - **Lab5_1.sh**:

1. Change the name Jon to John.
2. Append three asterisks to the end of lines starting with Fred.
3. Replace the line containing Jose with "JOSE HAS RETIRED".
4. Change Popeye's birthday to 11/14/46. Assume you don't know Popeye's original birthday. Use a regular expression to search for it.
5. Delete the first two lines.
6. Delete lines containing Lane.
7. Print lines 2 through the last.
8. Print all lines where the birthdays are in December or January.

The script with all the *sed* commands must have a comment section with the script name(s), your name, the date, and a short description of the script (e.g. *sed* commands to modify a datebook).

Exercise 2 Description

Write a *sed* script (name it **sed.commands**) to do the following, using the original file datebook.txt:

- a. Insert above the first line the title: PERSONNEL FILE.
- b. Remove the salaries ending in 500
- c. Print the contents of the file with the last names and first names reversed
- d. Append at the end of the file (in a new line) ****END OF FILE****.

Submission Instructions

To submit, create a single zip file named with the format of **Lab5.zip** that contains the files from the different exercises. Please note this zip file should have only **2 files**:

Lab5_1.sh

sed.commands

Points will be deducted for extra files, incorrect naming of the zip file, and non-readable script recorded files.